

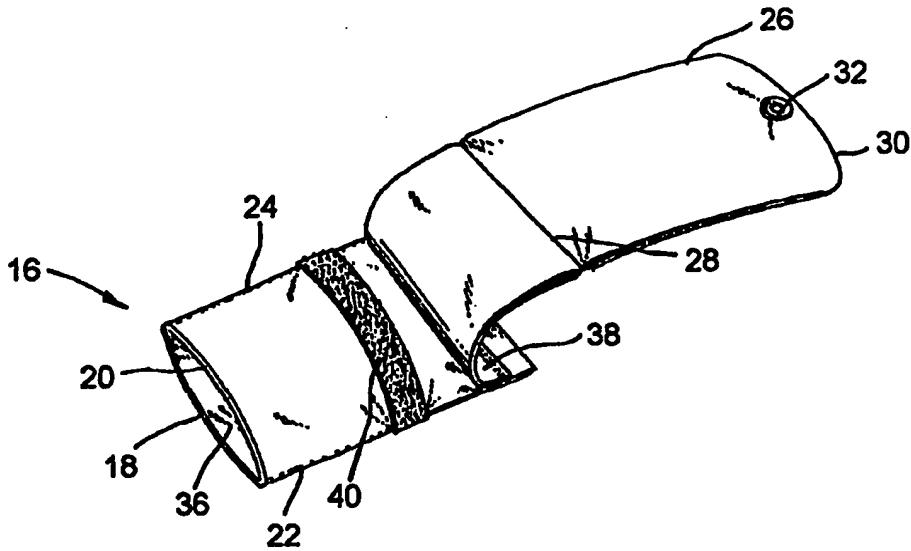


## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 5 :	A1	(11) International Publication Number: WO 95/31119
A43B 5/00		(43) International Publication Date: 23 November 1995 (23.11.95)

(21) International Application Number: PCT/US94/05146	(81) Designated States: AU, BB, BG, BR, BY, CA, CZ, FI, HU, JP, KP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).
(22) International Filing Date: 16 May 1994 (16.05.94)	Published <i>With international search report.</i>
(60) Parent Application or Grant (63) Related by Continuation US Filed on	Not furnished (CON) Not furnished
(71)(72) Applicant and Inventor: BIRCH, John, A., Sr. [US/US]; 230 Highland Avenue, Marlboro, NY 12542 (US).	
(74) Agent: SCHELLIN, Eric, P.; Suite 704, 2121 Crystal Drive, Arlington, VA 22202 (US).	

(54) Title: SHOE POCKET



## (57) Abstract

A shoe pocket (14) for storing articles such as keys, change, etc. when engaging in athletic activities. The shoe pocket (14) has a pocket section (16) with an open end (36) formed with front (18) and back (20) sides. A flexible loop (26) is attached to the back side (20) for passing between a shoe (10) and its laces (12) and close the open end (36) of the pocket (14). There is also removable fastening means (40) secured to the back side (20) which removably fastens to the laces (12) to prevent movement of the shoe pocket (14) when jogging and engaging in other activities.

**FOR THE PURPOSES OF INFORMATION ONLY**

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AT	Austria	GB	United Kingdom	MR	Mauritania
AU	Australia	GE	Georgia	MW	Malawi
BB	Barbados	GN	Guinea	NE	Niger
BE	Belgium	GR	Greece	NL	Netherlands
BF	Burkina Faso	HU	Hungary	NO	Norway
BG	Bulgaria	IE	Ireland	NZ	New Zealand
BJ	Benin	IT	Italy	PL	Poland
BR	Brazil	JP	Japan	PT	Portugal
BY	Belarus	KE	Kenya	RO	Romania
CA	Canada	KG	Kyrgyzstan	RU	Russian Federation
CF	Central African Republic	KP	Democratic People's Republic of Korea	SD	Sudan
CG	Congo	KR	Republic of Korea	SE	Sweden
CH	Switzerland	KZ	Kazakhstan	SI	Slovenia
CI	Côte d'Ivoire	LI	Liechtenstein	SK	Slovakia
CM	Cameroon	LK	Sri Lanka	SN	Senegal
CN	China	LU	Luxembourg	TD	Chad
CS	Czechoslovakia	LV	Latvia	TG	Togo
CZ	Czech Republic	MC	Monaco	TJ	Tajikistan
DE	Germany	MD	Republic of Moldova	TT	Trinidad and Tobago
DK	Denmark	MG	Madagascar	UA	Ukraine
ES	Spain	ML	Mali	US	United States of America
FI	Finland	MN	Mongolia	UZ	Uzbekistan
FR	France			VN	Viet Nam
GA	Gabon				

-1-

SHOE POCKET

BACKGROUND OF THE INVENTION

The present invention relates to a shoe-pocket that attaches to the laces of a shoe, and in particular to a shoe-pocket which attaches to the laces by one or more positive engagement systems for quick attachment and detachment.

5        There is a greater emphasis on athletics today compared to the past generations. An exercise shared by men and women is jogging which requires a minimum of clothing, such as a shirt or jacket, a pair of pants, and athletic shoes. Because of a lack of pockets, joggers are  
10 often hard pressed to carry door keys, change or other items which may be need. Various shoe pockets have been employed to meet these needs. For example, U.S. Patent Nos. 4,280,287, 4,372,060, 4,507,882, 4,630,383 and 5,094,016 generally describe product devices which are  
15 carried on athletic shoes, however, they all suffer from one or more disadvantages.

With the proliferation of the aids virus in today's civilization and the increasing public awareness of the need for the use of a condom in sexual activities, it is  
20 imperative that a condom be readily available when needed. Thus, this invention readily lends itself to this situation, as the condom will be available regardless of the presence or absence of pockets or pouches in the jogger's running outfit.

25        The shoe-pocket shown in U.S. Patent No. 4,280,287 is attached to an athletic shoe. The shoe pocket is sewn to the shoe on three sides, leaving one side open to receive an object. There is a hook and loop system to close the open side, thereby retaining the object. In another  
30 embodiment, a flat sheet with either the hooks or loops of a hook and loop system sewn to the perimeter is removably attached to the other of the hooks or loops permanently attached to the shoe to mate with the hooks or loops of the

-2-

flat sheet. The problem with either of these embodiments is that the shoe pocket is located on the side of the shoe which may be difficult to reach or the shoe pocket may catch on something that may open the pocket and releasing 5 the object contained therein.

Another shoe pocket permanently attached to an athletic shoe is disclosed in U.S. Patent No. 4,372,060 where the pocket is integral with the tongue. The tongue has an extra long length with a depression for holding 10 articles. The extra length is folded over covering the articles. A hook and loop system holds the extra length in the folded position to close the depression or pocket. There is a problem with the folded extra length and the depression since the articles may slip out when jogging. 15 Another problem is that the end of the tongue is also held down by the shoe lace, therefore the lace must be untied to uncover the pocket.

U.S. Patent No. 4,507,882 shows a shoe-pocket attached to the laces of an athletic shoe at one end of the pocket. 20 The problem with this arrangement is that it is attached only at one end of the shoe pocket flaps during running or walking, which creates a distraction.

The shoe-pocket in U.S. Patent No. 4,630,383 is integrally formed as an extension of the shoe tongue. The 25 tongue folds over the laces with the pocket opening exposed. A loop and hook system is employed to close the pocket. The shoe-pocket is only attached to the shoe tongue, therefore it is free to flap.

An interesting shoe-pocket is shown in U.S. Patent No. 30 5,094,016 where the shoe-pocket is attached to the athletic shoe by the shoe laces. There is a loop and hook system for closing the open end of the pocket. Once the shoe-pocket is laced to the shoe it can not be removed without unlacing the shoe.

#### 35 SUMMARY OF THE PRESENT INVENTION

The shoe pocket of the present invention provides a solution to the aforementioned problems by providing a

-3-

simple construction and an easy to attach and remove system which wraps around the laces. To accomplish this, the shoe pocket of the present invention includes a pocket formed of a piece of material which is stitched together to form a 5 pocket and a flap sewn to one face of the pocket.

The flap extends over one side and is attached to the other side. The side to which the flap is attached has the hook portion of a loop and hook system which locks onto the fibers of the shoe laces. The flap is passed under the 10 laces and pulled out from under the laces at another position whereby the flap covers the open end of the pocket and closes the pocket by a snap fastener.

It is an object of the present invention to provide an improved shoe pocket for carrying articles such as keys, 15 change, and the like and which is easily manufactured.

Another object of the present invention is to provide an improved shoe pocket which is quickly attached and removed from the laces of an athletic shoe, sneakers and the like.

20 These and other objects, features and advantages of the present invention will become more readily apparent from the following detailed description, taken in conjunction with accompanying drawings.

#### BRIEF DESCRIPTION OF THE DRAWINGS

25 Figure 1 shows a perspective view of a shoe pocket of the invention;

Figure 2 shows another perspective view of a shoe pocket of the invention;

30 Figure 3 shows a perspective view of a shoe pocket and shoe laces holding it in place;

Figure 4 is a front perspective of a shoe pocket of the invention;

Figure 5 is a rear perspective of a shoe pocket of the invention.

#### 35 DESCRIPTION OF THE INVENTION

Referring to the drawings, Figures 1-5, there is shown an athletic shoe 10 having laces 12 and a shoe pocket 14

-4-

made of leather, soft plastic, fabric or the like, of the invention. In Figures 1 and 2 the shoe pocket 14 is shown attached to the athletic shoe 10 for jogging or other activity.

- 5 Shoe pocket 14 is best shown in Figures 4 and 5, having a pocket 16 constructed by folding an elongated sheet of material along its peripheral edges to provide a front side 18 and a back side 20, sewn along edges 22 and 24. Attached to the back side 20 at or near where said sheet is folded, is a loop 26 having a fold are 28 to form a U-shape when free end 30 is fastened to the front side 18 of the pocket 16. A pair of snap elements 32 and 34 hold the loop 26 closed. Shoe pocket 14 has an open end 36 which is covered by the closing of loop 26.
- 10 15 Figure 5 shows the back side 20 of the pocket 16 with the loop 26 attached at 38. Also shown in a hook section 40 of a loop and hook fastening system.

In operation, the loop 26 is passed between shoe 10 and laces 12, as in Figure 3, and pulled tight until the 20 loop 26 and pocket 16 are snug against the laces 12 with attached area 38 of loop 26 and back side 20 catching on the laces. The hook section 40 of a loop and hook fastening system 40 is pressed against the laces 12 fastening to them. The shoe pocket 14 is closed by folding 25 the loop 26 along fold are 28 and joining snaps 32 and 34, as in Figure 1. To store articles in the shoe pocket 14, the loop 26 is unsnapped as in Figure 2.

A second embodiment is contemplated in which the back portion of the pocket has velcro hook material formed 30 thereon or attached thereto so that after the flap is passed under the laces, the back portion of the pocket has velcro hook material formed thereon or attached thereto so that the pocket can be pressed against the outside of the laces. The laces will be engaged by the hooks if the laces 35 are made of cotton, nylon and other woven fabrics. If the shoe has laces made of solid plastic material, leather and the like, the hooks were not engage the material, and the

-5-

flap which is placed under the laces will still hold the pouch in position.

While only two embodiments of the invention have been shown, it is believed that one skilled in the art may 5 realize other embodiments; therefor, for a full and complete understanding of the invention, the drawings, description and claims should be considered fully.

-6-

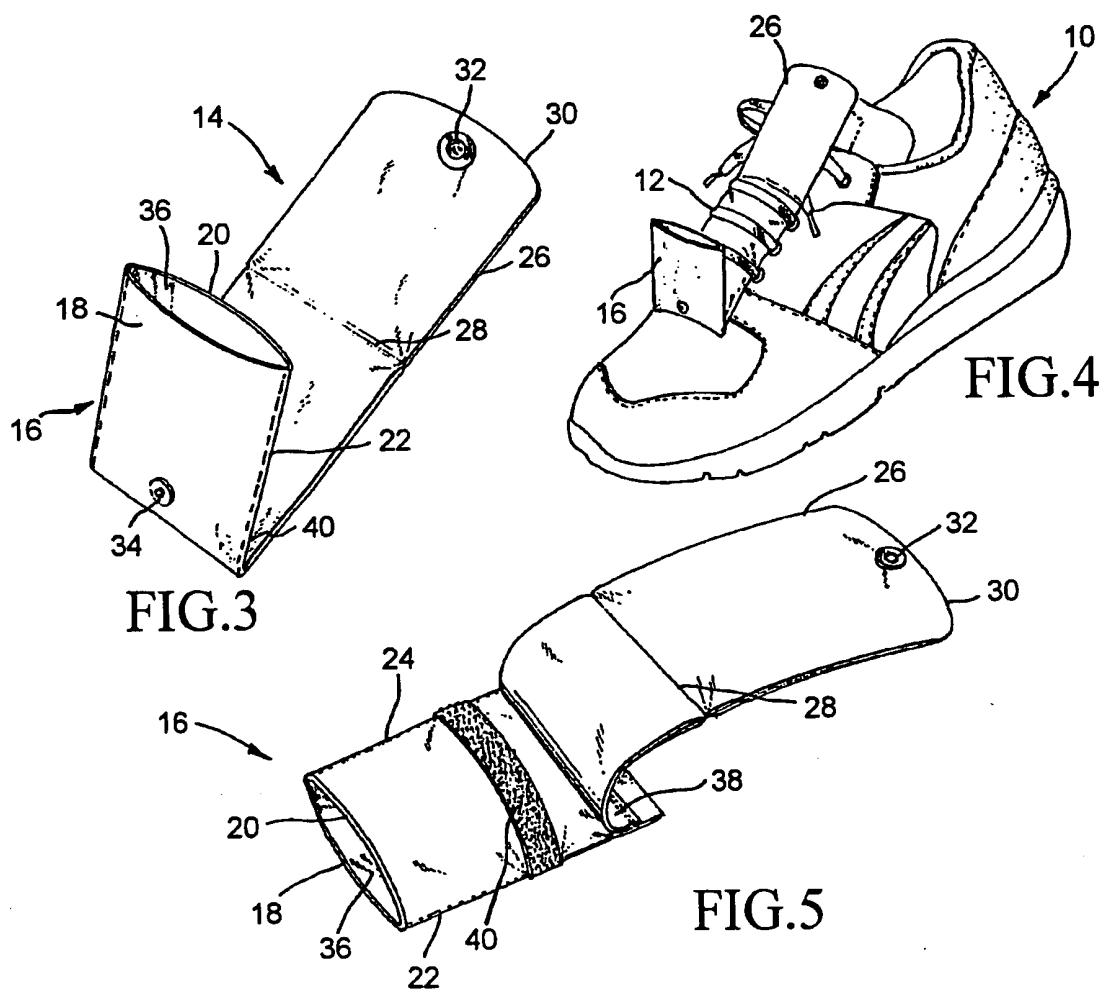
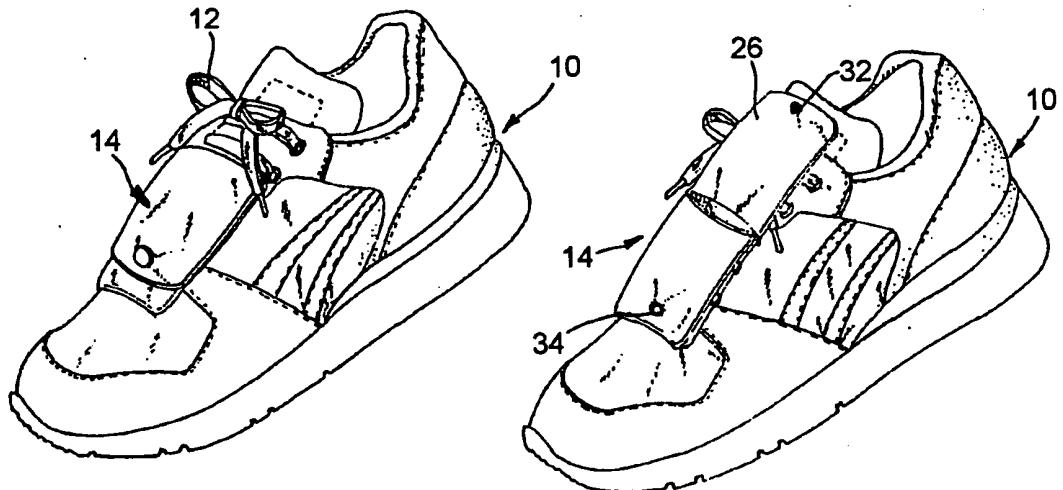
What is claimed is:

1. A shoe pocket for attaching to the laces of a shoe for carrying one or more articles comprising:
  - a pocket body formed generally of a sheet of material folded to form a front side and a back side, said front side and said back side having peripheral edges attached together to provide said pocket with an open end to receive articles;
  - a loop member attached to said back side where said sheet of material forming said pocket body is folded and having a length to wrap around said open end of said pocket body and fastened to said front side; and
  - a fastening means secured to said back side for removably attaching to the laces of a shoe, where said fastening means is covered by said loop means, whereby said loop means is passed between a shoe and its laces to hold said shoe pocket on said shoe, and said fastening means secures to the laces to prevent movement of said shoe pocket.
2. A shoe pocket as in Claim 1, wherein said fastening means is a hook section of a loop and hook fastening system, and where said hook section is removably secured to the laces.
3. A shoe pocket as in claim 2, wherein said shoe pocket is constructed of a flexible material including leather, plastic, and the like.
4. A shoe pocket for attaching to the laces of a shoe for carrying one or more articles comprising:
  - a pocket body formed generally of a sheet of material folded to form a front side and a back side, said front side and said back side having peripheral edges attached together to provide said pocket with an open end to receive articles;
  - a loop member attached to said back side where said sheet of material forming said pocket body is folded and having a length to wrap around said open end of said pocket body and fastened to said front side; and

-7-

a fastening means secured to said back side for removably attaching directly to the laces of a shoe, where said fastening means comprises loop means.

1/1



## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US94/05146

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(5) : A43B 5/00

US CL : 036/136.000; 002/919.000; 206/069.000

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 036/136.000; 002/919.000; 206/069.000

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
none

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

none

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US, A, 1,786,896 (Conger) 30 December 1930	1-4
A	US, A, 3,018,570, (Bliese) 30 January 1962	1-4
A	US, A, 4,597,198, (Schweitzer) 01 July 1986	1-4
A	US, A, 4,630,383 (Gamm) 23 December 1986	1-4
A	US, A, 5,042,091 (Tonkens) 27 August 1991	1-4
A	US, A, 5,094,016 (DiVito) 10 March 1992	1-4
A	US, A, 5,117,841 (McBeth) 02 June 1992	1-4
A	UK, A, 2,139,103 (Rogers) 07 November 1984	1-4

Further documents are listed in the continuation of Box C.  See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
*'A'	document defining the general state of the art which is not considered to be of particular relevance	
*'E'	earlier document published on or after the international filing date	"X"
*'L'	document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"
*'O'	document referring to an oral disclosure, use, exhibition or other means	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
*'P'	document published prior to the international filing date but later than the priority date claimed	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
	"Z"	document member of the same patent family

Date of the actual completion of the international search

15 SEPTEMBER 1994

Date of mailing of the international search report

30 SEP 1994

Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231  
Facsimile No. (703) 305-3230

Authorized officer  
*JM*  
BETHANNE C. CICCONI  
Telephone No. (703) 308-0771

*Shelia M. Verity*  
Patent Specialist  
Group 2400

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US94/05146

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US, A, 4,507,882 (Harrell) 02 April 1985, see Figs.5-7, 11, and 12, Col. 2, lines 34-36.	1-4